



## *Tubing-Mounted Splice Sub*

Weatherford's tubing-mounted splice sub contains and protects spliced connections of hydraulic or other control lines in an intelligent completion. The sub is placed directly above or below devices in the completion string requiring the termination of a line.

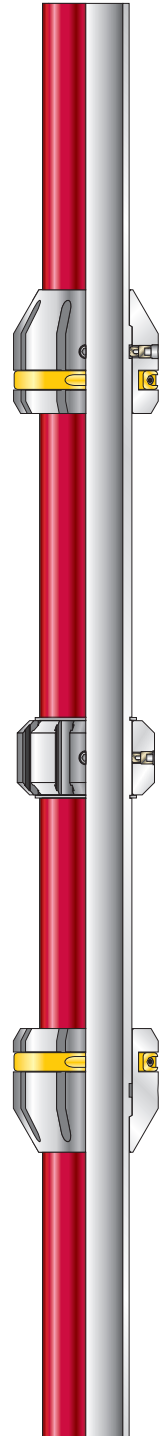
With a concentric design and slot spacing every 45° (0.79 rad) to match Weatherford's HellCat™ feed-through packers, the sub requires no rotational alignment for orientation of the control lines. The individual splice blocks are mounted inside the protected recess of the sub to avoid damage during deployment.

### *Applications*

- Subassembly that requires connection to control lines and that can be plumbed before installation
- Multizone intelligent completion requiring the splicing of control lines, for example, a bypass through packers
- Unretrievable completion because of a control line damaged during installation

### *Features, Advantages and Benefits*

- The concentric design retains up to eight hydraulic splices and enables close coupling with completion packers for the optimal spacing of completion components across producing intervals. The resulting reduced subassembly length also optimizes logistics and handling.
- The modular design enables the removal of bumpers and the retainer block, easing the makeup of the control lines to splice blocks.
- The number and orientation of the splices eliminate the need to wrap control lines around the tubing string for alignment, minimizing the exposure of the lines to damage during installation.
- The pin-and-pin configuration provides clamp points immediately above and below the component for maximum control-line protection.
- The externally testable connections ensure their correct metal-to-metal sealing, enhancing system reliability.





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### *Specifications*

Size <sup>1</sup> (in./mm)	3-1/2 88.9	4-1/2 114.3	5-1/2 139.7
Maximum OD (in./mm)	5.500 139.700	6.500 165.100	8.125 206.375
Minimum ID (in./mm)	2.952 74.981	3.948 100.279	4.992 126.797
Overall length (ft/m)	4.17 1.27	4.25 1.30	4.83 1.47
Burst and collapse pressure rating (psi/MPa)	10,000 69	9,700 67	5,000 34

<sup>1</sup>The material has an 80-kip/in.<sup>2</sup> (552-MPa) microyield strength, and each size has eight control-line splices.